

REMARKS

Present Status of the Application

Applicant thanks the Examiner for the thorough examination of this application. However, claims 8-9 are rejected under 35 U.S.C. 112, 1st paragraph, as failing to comply with the written description requirement. Claims 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee (U.S. Pub. No.2005/0083279; hereinafter “Lee”) in view of Noguchi (U.S. Pat. No.7,084,849; hereinafter “Noguchi”).

Applicant has amended claim 8 to more clearly define the present invention. The amended claim 8 is fully supported by the present specification without adding new matter. After entry of the foregoing amendments, claims 8 and 9 remain pending in the present application, and reconsideration of those claims is respectfully requested.

Interview Summary and Discussion of Claim Rejections under 35 U.S.C. 112

Claims 8-9 are rejected under 35 U.S.C. 112, 1st paragraph, as failing to comply with the written description requirement.

In response thereto, Applicant respectfully recall during the telephone interview conducted between our Attorney of record Mr. James Long and the Examiner Seokyun Moon, and in order to overcome the 35 U.S.C. 112(1) rejection, Applicant has amended claim 8 according to the result of discussing between our Attorney of record Mr. James Long and the Examiner Seokyun Moon. As a result, the claim rejections under 35 U.S.C. 112(1) should be withdrawn.

Discussion of Claim Rejections under 35 U.S.C. 103

Claims 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee in view of Noguchi.

In response thereto, Applicant hereby otherwise traverses these rejections.

On the pages 5 to 6 of the current Office Action, Examiner asserted that Lee does not expressly teach what type of a polarity driving scheme is used to drive the pixels of the pixel array; however, Noguchi teaches a concept of using three-dots polarity inversion method to drive a liquid crystal display panel. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the driving method of Lee to use three-dots polarity inversion method, as taught by Noguchi, in order to prevent changes on the polarizations of liquid crystal caused by applying data voltages having the same polarity to the pixels for a long time period. Herein, Applicant respectfully disagrees.

In the present invention, all of the alternating data lines would respectively provide the pixel voltages having opposite polarity, namely, the column inversion.

However, please refer to FIGs. 3 and 4 of Lee, it can be inferred that the driving polarity of each of the pixels is determined at the T_p interval, so that if using three-dots polarity inversion method, as taught by Noguchi, to drive the LCD panel of Lee, the polarities of the pixel voltages provided by all of the data lines (for example, 351 to 353) are conventional three-dots polarity inversion, i.e. +++---+++---, rather than column inversion, i.e. +-+-+-+-. Therefore, Lee combining with Noguchi would still cause the problem as recited in the "Description of Related Art" of the present specification.

From the above, Applicant respectfully submits that Lee and Noguchi do not disclose and teach all of the features as set forth in the currently amended claim 8, so the currently amended claim 8 is novel and patentable over Lee, Noguchi, or any of the other cited references, taken alone or in combination, and thus should be allowed.

If an independent claim is non-obvious under 35 U.S.C. 103, then any claim depending therefrom is non-obvious. *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988). As a result, claim 9 depending upon the allowable independent claim 8 also should be allowed as a matter of law.

CONCLUSION

For at least the foregoing reasons, it is believed that the pending claims 8 and 9 are in proper condition for allowance. If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

Respectfully submitted,

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